

Effect of Solution Focused Group Counseling for High School Students in Order to Struggle with School Burnout

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Abstract

In this research, the effect of solution focused group counseling upon high school students' struggling with school burnout was analyzed. The research was an experimental study in which a pre-test post –test control group random design was used, depending upon the real experimental model. The study group included 30 students that volunteered from among students studying at a high school in central Erzincan Province in the 2014-2015 academic year. School Burnout Scale (Seğer, Halmatov, Veyis and Ateş, 2013) and Personal Information Form were used in the study as data collection tools. Independent Samples t-test and One Factor ANCOVA were performed to analyze the obtained data. At the end of the research, it was determined that solution focused group counseling was effective upon high school students' struggling with school burnout, and this effect actualized as independent from the variable of gender.

Keywords: solution focused psychological counseling, school, school burnout, high school, students

1. Introduction

When people work or achieve something in any field, they need to know that their achievement is significant and what they achieve is beneficial. When people do not have these feelings, they become disappointed and dissatisfied with their work. And this creates burnout in individuals. The concept of burnout has been the focus of researchers since the beginning of 1970s. Freudenberg (1974), defined burnout as an individual's failure, fatigue, and exhaustion depending upon over use of energy, power and sources. Maslach, defined burnout as individuals in service sectors' with a profession serving to people experiencing emotional burnout, their indifference in fulfilling their work, their depersonalization, and decrease in personal success and competence perceptions (Maslach & Jackson, 1981; Maslach & Goldberg, 1998; Maslach, Schaufeli & Leiter, 2001). In this sense, burnout, in general, is characterized as three-dimensional. It includes the emotional burnout associated with decrease and loss in emotional support sources, desensitization associated with cynic, indifferent and negative attitude toward work and fulfilling the work, and personal failure in which incompetence and failure feelings were dominant. The emotional dimension of burnout represents basic stress components, the dimension of indifference represents the components of interpersonal relations, and the dimension of personal failure represents the components of self-evaluation. In previous research, "professional burnout" was mostly emphasized, and lack of positive feedback, control deficiency, adequately unclear roles, stress, lack of social support, unreal expectations related to work, work overload, interpersonal conflict and disagreements, etc. were especially listed as the risk factors increasing the professional burnout (Freudenberg, 1974; Küçükşüeymanoğlu & Eğilmez, 2013; Maslach & Jackson, 1981; Maslach & Jackson, 1984; Maslach & Goldberg, 1998; Maslach, Schaufeli & Leiter, 2001).

Burnout syndrome is not a situation that immediately occurs; in contrast, it has gradually developing symptoms. Ignorance of burnout symptoms causes the syndrome to progress and becomes impossible to cope with. Burnout has emotional indicators (fear, hopelessness, desperation, uneasiness, anger, emotional deprivation, anxiety, worthlessness, disappointment, professional dissatisfaction, timidity, etc.), physical indicators (low energy, physical tiredness, exhaustion, psychosomatic complaints, impatient and aggressive behaviors, assuming a cynic attitude, etc.) and cognitive indicators (assuming a negative attitude against the self, profession, and life) (Ardıç & Polatçı, 2008; Freudenberg, 1974; Maslach & Jackson, 1981; Maslach & Goldberg, 1998; Schaufeli & Maslach, 1993). In studies about burnout, it was noticed that burnout was a problem related to the variables such as social support perception (Gündüz, 2005; Kim, Lee & Kim, 2009; Kutsal & Bilge, 2012), perfectionism and stress (Çam, Deniz & Kurnaz, 2014; Millicent & Joanne, 1999), professional competence (Çelikkaleli, 2011), the perception of self-efficacy (Karahan & Balat, 2011; İkiz, 2010), physical exhaustion, sleeplessness, use of alcohol and drugs, marriage and familial problems

(Maslach & Jackson, 1981) and level of life satisfaction (Ünal, Karlıdağ & Yoloğlu, 2001).

Burnout indicates an inversion among the things people do and have to do, whatever they carry on, and represents the erosion in values, honor, prestige and spirits of individuals. The fact of burnout captures the whole life of individuals. It affects all work performance of individuals as well as their social and private relationships (Gündüz, Çapri & Gökçakan, 2012; İkiz, 2010).

Burnout is mostly encountered in individuals in professional groups that are required to establish relationships with people such as health, education, and social services. Previous studies, therefore, mostly emphasized upon these professional groups, in general (Bakker & Schaufeli, 2006; Günüşen & Üstün, 2010; Horn, Schaufeli & Enzmann, 1999; Küçüksüleymanoğlu, 2007; Maslach & Goldberg, 1998; Maslach, Schaufeli & Leiter, 2001; Millicent & Joanne, 1999; Otacıoğlu, 2008; Schaufeli & Maslach, 1993; Sayıl, Haran, Ölmez & Özgüven, 1997; Vahey, Aiken, Sloane, Clarke, & Vargas, 2004).

It has been noticed in time that burnout is not only a problem that affects the employees of specific professions, but also the students. When the lives of students are analyzed in psychological terms, although they are neither employees nor employers, it is possible to accept their academic-content duties and responsibilities as a work because of the continuance of these. Students have to fulfill several duties and responsibilities related to their academic life. However, these duties and responsibilities can lead them into burnout after a while. The stress students experience during the educational process, course overload, and other psychological factors (stress, depression, etc.) can cause them to experience school burnout. School burnout is defined as students' feeling incompetence and developing cynical and indifferent attitudes towards the school. School burnout that is related to emotional behavioral problems such as depression and stress can cause decreasing in interest and motivation towards courses, school absence, and school drop-out. Furthermore, school burnout can reveal indifference, emotional burnout, and personal failure as indicators of burnout affecting academic success, and self-efficacy perceptions of students negatively. This causes decrease in interest and motivation towards school and courses and negativity in students' fulfilling their duties and responsibilities related to school (Aypay & Eryılmaz, 2011; Bilge, Dost & Çetin, 2014; Bresó, Salanova & Schaufeli, 2007; Çam, Deniz & Kurnaz, 2014; Küçüksüleymanoğlu & Eğilmez, 2013; Meier & Schmeck, 1985; Seğer & Gençdoğan, 2012; Yang & Farn, 2005).

In analyses, it was determined that school burnout was related to be associated with several variables. Some of these variables included academic success (Balkıs, Duru, Buluş & Duru, 2011; Çapulcuoğlu & Gündüz, 2013), depression (Gan, Yang, Zhou & Zhang, 2007; Salmela-Aro, Savolainen & Holopainen, 2009), subjective well-being level (Aypay & Eryılmaz, 2011), stress, perfectionism, self-efficacy and social support perception (Çam, Deniz & Kurnaz, 2014; Yang & Farn, 2005), self-reliance and sense of self (Meier & Schmeck, 1985).

In Turkey, having a good education generally depends upon success in normal examinations, as well as the central examination performed during the educational process. And this involves students in a serious competition for all grades in education. Students can suffer from mental erosion as result of the success demand and pressure they are exposed to and involve into the burnout process easily (Aypay & Eryılmaz, 2011; Gündüz, Çapri & Gökçakan, 2012). In this sense, the importance of struggling with school burnout that has a negative effect upon both academic success and mental well-being of students becomes prominent. When the literature was reviewed, it was noticed in general that the variable of burnout was discussed with different variables, and various suggestions were offered in order to struggle with burnout. However, it was also remarkable that there were a limited number of studies carried out, depending upon a specific counseling approach for struggling with school burnout. Within this framework, it was considered that experimenting with a solution focused psychological counseling approach would be significant as a different implementation so as to struggle with students' school burnout.

Solution focused brief psychological counseling is an approach developed in the USA in the last quarter of the 20th century. The leading pioneers of the approach are possible to be listed as Steve de Shazer, Insoo Kim Berg, and Bill O'Hanlon. General properties of this approach include focusing on solutions instead of problems using a solution focused language structure instead of a problem focused language structure, focusing on now and future instead of the past, and focusing on serviceable actions, little changes, strengths and sources in counselee, etc. Solution focused brief psychological counseling is a fairly optimist approach in case of the counselee's change. In this approach, the number of sessions can generally vary between four and six. The leading techniques, including pre-session change technique, the formula first session task, the miracle question, scaling questions, exception situations and crystal ball technique (De Shazer, 1985; De Shazer & Berg, 1997; De Jong & Berg, 1998; Doğan, 1999; Gladding, 2013; Lethem, 2002; Murdock, 2012; Sklare, 2013). In reviewing the literature, it was noticed that solution focused counseling approach was efficient upon struggling with different problems that were possible encountered in schools (Ateş, 2014; Brown, Powell & Clark, 2012; Franklin, Moore & Hopson, 2008; Newsome, 2005; Tuna, 2012; Vallaire, Hicks & Growe, 2011). In this study, it

was determined to analyze the effect of solution focused group counseling upon struggling with school burnout of the high school students. In accordance with this purpose, the answer to the question, “Is solution focused group counseling efficient upon struggling with school burnout of high school students?” was attempted to be determined in this study.

2. Method

2.1 Research Model

This research was an experimental study in which pre-test post-test control-group random design focused upon using the real experimental model. The experimental design related to the performed study is presented in Table 1.

Table 1. Experimental Design of the Study

Group	N	Pre-test Implementation	Experimental Process	Post-test Implementation
Experimental Group	15	School Burnout Scale	Solution focused counseling for 90 min once a week	School Burnout Scale
Control Group	15	School Burnout Scale	No implementation was performed	School Burnout Scale

In this research, the independent variable was group counseling carried out depending upon solution focused approach. And the dependent variable was high school students' level of school burnout.

2.2 Study Group

The study group included 30 volunteered students volunteered among those studying at a high school in central Erzincan Province in the 2014-2015 academic year. The descriptive information related to the study group is presented in Table 2 and Table 3.

Table 2. Descriptive Statistics of the Groups in Terms of Gender

Gender	Female N	Male N	Total N
Experimental Group	8	7	15
Control Group	6	9	15
Total	14	16	30

Table 3. Descriptive Statistics of the Groups in Terms of Age

		Age	
		N	\bar{X}
Group	Experimental	15	15.87
	Control	15	15.73
	Total	30	15.80

2.3 Data Collection Tools

2.3.1 School Burnout Scale

The scale was developed by Salmela-Aro, Kiuru, Leskinen and Nurmi (2009) in order to determine school burnout levels of students studying at elementary and secondary educational grades. The scale was adapted into Turkish culture by Seçer, Halmatov, Veyis and Ateş (2013). The scale is a five-point Likert Scale measurement instrument including nine items in its original form. Reliability and validity studies of the scale were carried out through the data collected from 570 students studying at elementary and secondary education schools. For the construct validity, exploratory and confirmatory factor analyses were performed. The results of exploratory factor analysis revealed that the scale explained totally 66,858 percent variance in three dimensions. Model coherence of this three dimensional structure was tested through confirmatory factor analysis, and fit indexes were determined to be at a good level (RMSEA=.042, RMR=.013, NFI=.90, CFI=.96, IFI=.97, RFI=.92, AGFI=.90, GFI=.92). These sub-dimensions included *emotional burnout*, *indifference* and *feeling of low personal success*. As result of the scale's reliability analysis, internal consistency coefficient was found to be $\alpha=.75$, and test re-test reliability was found to be $\alpha=.80$. In accordance with the obtained data, it was concluded that school burnout scale was a measurement tool with validity and reliability. Within the scope of this study, test re-test reliability coefficient was determined to be 0.82 for all scale.

2.3.2 Personal Information Form

Within the scope of the research, personal information form was developed to obtain personal information of the students creating the research group of the study by the researcher.

2.4 Data Analysis

In this study, whether group data had a parametric value or not was analyzed through scatter graphic and Shapiro-Wilks normality test; and the groups were determined to have normal distribution. In this sense, Independent Samples T-test and One Factor ANCOVA were used in order to test the obtained data. Data analyses were performed on computer

environment through SPSS programs. In the study, .05 level of significance was considered (Büyükoztürk, 2011; Can, 2013).

2.5 Process

In order to create the study group, appropriate course hours of the students were determined. Students were informed about the study in these course hours, and School Burnout Scale was performed on 178 student volunteers that participated into the study. Subsequently, scale scores of the students were listed from the highest to the lowest, and 30 volunteer students with high school burnout scores were determined. Then, these students were randomly distributed to experimental and control groups including of 15 each. To the students in the experimental groups, six-session solution focused group counseling sessions were developed and organized within the scope of the research in accordance with the basic philosophy, principles and techniques of solution focused group counseling were organized. The sessions were held for nearly 90 minutes once a week. For the students in the control group, normal educational activities were maintained to be carried out without any processes. After completing the planned group process, post-test (School Burnout Scale) was performed on both groups. At the end of the study, a 60-minute seminar related to school burnout was provided to the students in the control group in order to conform to the professional ethics.

2.6 Program Development and Implementation Process

Within the scope of this study, the research performed abroad and in Turkey related to school burnout and solution focused group psychological counseling were primarily reviewed; the framework of the program to be carried out was created. Then, pre-experimental sessions including four sessions were performed with eight students in order to determine practicability of the program. Depending upon performed pre-experimental studies, the deficiencies of the program were determined, and the program was accommodated into the study group. The implementation process of the program was shortly carried out as such:

1st Session (Acquaintance)

In the first session, the purpose of the group was explained, group members introduced themselves to the group, group rules were created, general information on solution focused group counseling and school burnout was shared, group members were helped to express their purposes positively, pre-session positive changes were focused on, and the task of the first session was formulated.

2nd Session (Change)

In the second session, group members' expressed their purposes more clearly, and their noticing the solution and change were emphasized. In this session, "Miracle Question Technique" was performed.

3rd Session (Strengths and sources)

In this session, group members' current sources, achievements and strengths upon struggling with school burnout was emphasized.

4th Session (Rare situations)

In the fourth session, group members' strengths and competences upon struggling with burnout was emphasized focusing on the moments they experience little or no burnout (exceptional moments technique) in accordance with the purpose of the previous session.

5th Session (Prospective Questions)

In this session, group members were asked to design their own situation in a future they desire when there is no problem, and these were shared.

6th Session (Finalization)

In this session, group members were asked to evaluate the group process and group experiences related to themselves. During this study process, "scaling questions" were used for the group members to evaluate themselves and the counseling process.

3. Findings

In this study, Independent Samples T-test and One Factor ANCOVA was used for the analysis of data, and the obtained data is presented in Table 4.

Table 4. Independent Samples T-test Results Related to Pre-Test Scores of Experimental and Control Groups

School Burnout	N	\bar{x}	S	df	t	p
Control Group	15	37.60	2.32	28	-.606	.232
Experimental Group	15	38.20	3.05			

When Table 4 was analyzed, no significant difference was determined between School Burnout Scale scores performed as pre-test to the experimental and control groups ($t_{28}=-.606$, $p>.05$). This finding proved that pre-process groups were equal to each other in terms of their school burnout scores.

After group equalities, it was analyzed whether curves of regression lines were equal or not as one of the conditions of ANCOVA, and whether group x gender common effect was significant or not upon the school burnout scores when the gender of variable that would create a possible effect upon variance homogeneity and group was controlled. Covariance (ANCOVA) analysis results related to the common effect of group and gender is presented in Table 5.

Table 5. Covariance (ANCOVA) Analysis Results Related to the Common Effect of Group and Gender

Source of Variance	Sum of Squares	df	Mean Square	F	p
Group	126.63	1	126.63		
Gender	.167	1	.167		
Group*Gender	3.65	1	3.65	.262	.613
Error	363.07	26	13.96		
Total	1318.96	29			

When Table 5 was analyzed, it was noticed that group x gender common effect was significant upon school burnout scores of the groups ($F_{1,26}=.262$, $p>.05$). This finding proved that curves of regression lines were equal. Moreover, it was also specified that the condition of variance homogeneity was provided as result of Levene's test ($p=.108$, $p>.05$).

After this analysis, it was tested whether there was a significant difference between corrected test scores related to school burnout scores of the groups and is presented in Table 6.

Table 6. Descriptive Statistics of School Burnout Scores According to Groups

Group	N	Average	Corrected Average
Control	15	38.60	38,54
Experimental	15	27.33	27.29

When Table 6 was analyzed, it was noticed that the experimental group had lower average value rather than the control group in terms of the groups according to corrected average scores. ANCOVA results performed to determine whether the difference observed between corrected average scores of the groups was significant or not were presented below in Table 7.

Table 7. Covariance (ANCOVA) Analysis Results

Source of Variance	Sum of Squares	df	Mean Square	F	p	η^2
Gender	.196	1	.196	.014	.905	.001
Group	931.41	1	931.41	68.57	.000	.717
Error	366.73	27	13.58			
Total	1318.96	29				

It was determined, as indicated in Table 7, at the end of this research in which the effect of solution focused group counseling upon high school students' struggling with school burnout that the difference between the experimental and control groups was significant ($F_{1,27}=68.57$, $P<.01$, $\eta^2=.717$). this finding proved that the difference observed between corrected average scores of the students in experimental and control groups was significant, the program performed to the experimental group had a positive effect upon students' struggling with the school burnout, and this affect occurred independently from the variable of gender.

4. Conclusion and Discussion

In this study, it was remarkable for the groups to be equal in order to reveal the effect of the experimental process. So that the difference between post-test scores of the groups can be focused upon the effect of experimental process. In this research, whether there was a significant level of difference between the pre-test scores of the experimental and control groups or not was primarily considered, and no significant level of difference was observed between the pre-test scores of the experimental and control groups as result of performed analyses. This finding proved that the pre-process groups were equal to each other.

After determining that there were no significant level of difference between the pre-process group scores, and the groups had distributions close to each other, experimental process and data analyses were performed subsequently. As result of performed data analyses, it was specified that school burnout scores of the students in the experimental group decreased more significantly rather than the control group and pre-program situation. Furthermore, the variable of gender that was possible to affect the experimental process was kept under control through the covariance (ANCOVA) analysis. The change in the experimental group was supported through verbal feedback obtained from the students.

At the end of this research in which the effect of group psychological counseling upon high school students' struggling with school burnout was analyzed, it was possible to mention that solution focused group psychological counseling was

efficient upon high school students' struggling with school burnout, and this effect occurred independent from the variable of gender.

It was noticed in the literature review upon the school burnout that various variables related to school burnout were emphasized. Some of these variables could be listed as academic success, level of subjective well-being, stress, perfectionism, self-efficacy, social support perception, self-reliance and sense of self (Aypay & Eryılmaz, 2011; Balkıs, Duru, Buluş & Duru, 2011; Çam, Deniz & Kurnaz, 2014; Çapulcuoğlu & Gündüz, 2013; Kiuru, Aunola, Nurmi, Leskinen & Salmela-Aro, 2008; Meier & Schmeck, 1985; Meylan, Doudin, Curchod & Stephan, 2011; Yang & Farn, 2005). It was remarkable to determine the variables related to school burnout; however, the inadequacy of the studies carried out upon school burnout was also significant. In analyses upon this subject, different suggestions related to burnout were generally developed (Ardıç & Polatçı, 2008; Awa, Plaumann & Walter, 2010; Kravits, Mc Allister-Black, Grant & Kirk, 2010; Lambie, 2006; Maslach & Goldberg, 1998); however, it was also noticed that the studies carried out on the basis of psychological counseling were not adequately emphasized. Upon struggling with school burnout, the study carried out by İlbay (2014) was remarkable. In this study, the effect of solution focused group psychological counseling upon university students' burnout level was analyzed, and it was determined that solution focused group psychological counseling was efficient upon decreasing the burnout levels of university students, and this effect was also available during the follow-up studies. It was concluded that the result of this study and the one we carried out were similar. Both in the study carried out by İlbay (2014) and this study, it was noticed that solution focused group psychological counseling was an efficient and beneficial approach upon students' struggling with school/student burnout.

It was known that solution focused psychological counseling was a beneficial approach upon overcoming several problems encountered in school environment efficiently as well as school burnout (Brown, Powell & Clark, 2012; Çıtemel, 2014; Franklin, Moore & Hopson, 2008; Newsome, 2005; Tuna, 2012). Solution focused psychological counseling was efficient upon overcoming the problems encountered in school environment because focusing on students' solutions, their strengths, achievements, positive changes, rare moments and sources was important and beneficial according to this approach. Moreover, it could also provide opportunities to focus on students' positive sides instead of their negative sides, and solutions instead of problems, and to obtain terminal results reaching solutions in a short time. To sum up, solution focused group counseling was possible to be mentioned as an approach efficient on struggling with several problems including school burnout, as well.

5. Suggestions

Within the scope of this study, these suggestions were offered: A similar study is possible to be carried out with different research groups. The content of the program developed within the scope of the research should be changed according to the need. Seminars, conferences, etc. should be provided upon increasing the awareness levels of educationalists, school directors, and parents upon school burnout within the scope of protective mental health. In accordance with the same purpose, different studies (seminars, training groups, programs, etc.) related to the students should be included. In this sense, determining the factors that cause school burnout in students and the precautions to be taken in terms of protective mental health are remarkable.

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